

432-1350

12/23/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

December 23, 2013

Dr. Norma C. Pangilinan  
Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

Subject: Label notification to add restrictions for the state of Oregon, per PRN 98-10

Dear Dr. Pangilinan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10, dated December 10, 2013 for "Merit 0.3 Plus Turf Fertilizer" EPA Registration No. 432-1350.

The Registration Division (RD) has conducted a review of the request for applicability under PRN 98-10 and finds that the changes requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please contact me directly at 703-308-8735 or email me at [chao.julie@epa.gov](mailto:chao.julie@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Julie A. Chao".

Julie A. Chao  
Insecticide-Rodenticide Branch  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 432-1350	2. EPA Product Manager Venus Eagle	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Merit 0.3 Plus Turf Fertilizer	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science 2 T. W. Alexander Drive Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

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Explanation: Use additional page(s) if necessary. (For section I and Section II.)

To revise label to add the pollinator protection statement restricting use on linden trees that is being required by the Oregon Department of Agriculture

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> _____	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Norma C. Pangilinan, Ph.D.	Title Registrations Manager	Telephone No. (Include Area Code) 919-549-2423
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registrations Manager	
4. Typed Name Norma C. Pangilinan, Ph.D.	5. Date December 10, 2013	

**NOTIFICATION**

DEC 23 2013

December 10, 2013

Bayer CropScience  
P. O. Box 12014  
2 TW Alexander Drive  
Research Triangle Park  
NC 27709  
Tel: 919 549-2000

NORMA C. PANGILINAN, Ph.D,  
Registrations Manager

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# Merit<sup>®</sup> 0.3 Plus Turf Fertilizer

For fertilization and insect control in turfgrass and landscape ornamentals

Fertilizer with Merit Insecticide

## ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine ..... 0.3%

OTHER INGREDIENTS: ..... 99.7%

TOTAL: ..... 100.0%

EPA Reg. No. 432-1350

EPA Est. No. \_\_\_\_\_

Merit<sup>®</sup> is a registered trademark of Bayer

## STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

## CAUTION

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577 {or specific company number}  
For PRODUCT USE Information Call 1-800-331-2867 {or specific company number}

FIRST AID	
If swallowed:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If on skin or clothing:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-334-7577 for emergency medical treatment.	
NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

NOTIFICATION

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## ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not formulate this product into other end-use products.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children; preferably in a locked storage area.

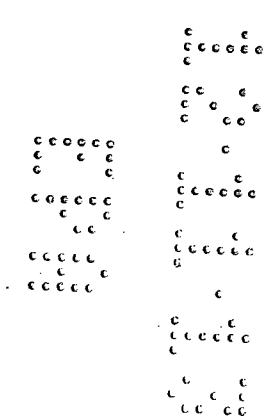
Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above. Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Environmental Science Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577, or contact Chemtrec at 800-424-9300.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Non-refillable container.** Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

## APPLICATION TO TURFGRASS

The use of this product will provide plant nutrients as well as providing control of selected insect pests. Merit® 0.3 Plus Turf Fertilizer can be used for the control of soil inhabiting pests of turfgrass; for example northern & southern masked chafers, *Cyclocephala borealis*, *C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; European chafer, *Rhizotrogus majalis*; Green June beetle, *Cotinus nitida*; May or June beetles, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*; billbugs, *Sphenophorus* spp.; annual bluegrass weevil, *Listronotus maculicollis*; Black turfgrass ataenius, *Ataenius spretulus*; *Aphodius* spp.; crane flies, *Tipula* spp., and mole crickets, *Scapteriscus* spp. Merit 0.3 Plus Turf Fertilizer can be used as directed on turfgrass; for example, in home lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, and athletic fields. Merit 0.3 Plus Turf Fertilizer cannot be used on commercial sod farms.



APPLICATION RATES		
CROP	PEST	DOSAGE MERIT + TURF FERTILIZER
Turf Grasses	Billbugs	
	Larvae of: <i>Aphodius</i> spp. Black turfgrass ataenius European chafer Japanese beetle	83 to 133 lb per acre or 2 to 3 lb per 1,000 sq ft
	Annual bluegrass weevil Billbugs Crane flies	
	Larvae of white grubs, for example: <i>Aphodius</i> sp. Asiatic garden beetle Black turfgrass ataenius European chafer	100 to 133 lb per acre or 2.3 to 3 lb per 1,000 sq ft
	Green June beetle Japanese beetle Northern masked chafer Oriental beetle <i>Phyllophaga</i> spp. Southern masked chafer	
For optimum control, make application prior to egg hatch of the target pest. Be sure to read "APPLICATION EQUIPMENT" Section of this label.		
Mole crickets Chinch bugs (suppression)		133 lb per acre or 3 lb per 1,000 sq ft
For suppression of chinch bugs, make application prior to the hatching of the first instar nymphs. For optimum control of mole crickets, make application prior to or during the period of peak egg hatch. If application is not made prior to egg hatch, and adults or large nymphs are present and actively tunneling, then apply Merit 0.3 Plus Turf Fertilizer in combination with a remedial insecticide to minimize damage to turf.		
Consult your local State Agricultural Experiment Station or State Extension Turf Specialists for more specific information regarding timing of application.		
<b>NOTE:</b> For optimum control, irrigate if rainfall does not occur within 24 hours after application to move the active ingredient through the thatch. On golf courses, irrigate treated areas following application. Do not apply more than 133 lb (0.4 lb of active ingredient) per acre per year. Mow turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.		

The active ingredient in Merit 0.3 Plus Turf Fertilizer has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control will be achieved when applications are made prior to egg hatch of the target pest, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

Do not apply when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated turf must be in such a condition that the rainfall or irrigation will penetrate vertically into the soil profile. Applications cannot exceed a total of 133 lb (0.4 lb of active ingredient) per acre per year.

#### APPLICATION TO ORNAMENTALS

Merit 0.3 Plus Turf Fertilizer can be used as a broadcast application on ornamentals in commercial and residential landscapes, as well as on landscaped areas of golf courses and other recreational areas. This is a systemic product, with the active ingredient being absorbed by the roots and translocated upward within the plant. Optimum control will be achieved when applications are followed by sufficient mechanical incorporation, irrigation, or rainfall to place the active ingredient into the soil. Make application prior to anticipated pest infestation to achieve optimum levels of control.

Applications of Merit 0.3 Plus Turf Fertilizer cannot exceed a total of 133 lb (0.4 lb of active ingredient) per acre per year.

**NOTE:** Not for use in commercial greenhouses, or nurseries, or on sod farms.

APPLICATION RATES FOR USE ON ORNAMENTALS		
CROP	PEST	DOSAGE MERIT + TURF FERTILIZER
Landscape Plantings Including: Trees, Shrubs, Evergreens, Flowers, Foliage, Plants, Ground Covers	White grub larvae For example: Japanese beetle larvae, chafers, <i>Phyllophaga</i> spp. Asiatic garden beetle, Oriental beetle	2.3 to 3 lb per 1,000 sq ft
Apply as a broadcast treatment. Prior to application, remove black plastic or other weed barrier material that will not permit water permeability. <b>Restriction:</b> Do not apply this product, by any application method, to linden, basswood, or other Tilia species. <b>NOTE:</b> For optimum control, irrigate if rainfall does not occur, or incorporate mechanically, within 24 hours after application to move the active ingredient into soil. Refer to label sections on application equipment and spreader settings.		

#### APPLICATION EQUIPMENT

Apply Merit 0.3 Plus Turf Fertilizer uniformly over the area being treated with typical granular application equipment. Both drop-type and rotary-type spreaders may be used to apply Merit 0.3 Plus Turf Fertilizer. Do not use spreaders which would apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately.

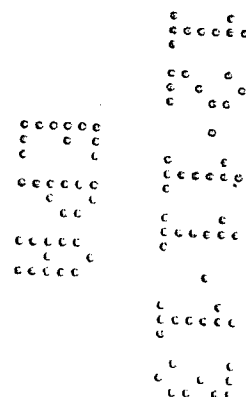
#### SPREADER SETTINGS FOR MERIT 0.3 PLUS TURF FERTILIZER

The following chart can be used as a guide in establishing an accurate rate of Merit 0.3 Plus Turf Fertilizer. The suggested settings provide an application rate of 2.3 lb per 1,000 sq ft, or 100 lb per acre. Application rates will vary dependent upon speed, equipment wear and condition of spreader. Carefully calibrate all equipment used prior to commercial use of this product.

#### [Chart to Come]

#### RESTRICTIONS

Avoid runoff or puddling of irrigation water following application. Avoid application of Merit 0.3 Plus Turf Fertilizer to areas which are water-logged or saturated, which will not allow penetration into the root zone of the plant. Do not apply more than 133 lb (0.4 lb of active ingredient) per acre per year. Do not apply to vegetable gardens.



**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

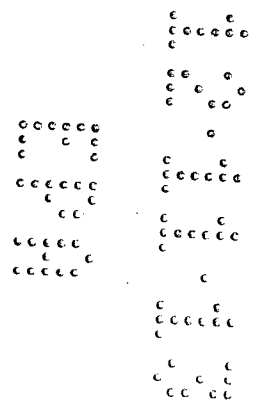
PRODUCED FOR



**Bayer Environmental Science**

A DIVISION OF BAYER CROPSCIENCE LP  
2 T. W. ALEXANDER DRIVE  
P.O. BOX 12014  
RESEARCH TRIANGLE PARK, NC 27709

Merit® 0.3 Plus Turf Fertilizer (PENDING) 12/05/2013





[For placement under Fertilizer Guarantee Section]

Fertilizer Analysis: X-X-X

Information regarding the contents and levels of metals in this product are available on the Internet at <http://www.regulatory-info-ba.com>.

**FOR FLORIDA:**

**FLORIDA APPLICATIONS:** For use on golf courses or other athletic turf in FL, we recommend you follow SL191, "Recommendations for N, P, K & Mg for Golf Course and Athletic Field Fertilization Based on Mehlich I Extractant", available on the internet at <http://edis.ifas.ufl.edu/SS404> or "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" at HYPERLINK "<http://www.flaes.org/pdf/glfbmp07.pdf> " <http://www.flaes.org/pdf/glfbmp07.pdf>.

**FLORIDA APPLICATIONS:** For commercial application to urban turf or lawns in FL, we recommend you follow the Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries, available on the internet at [http://www.flaes.org/pdf/BMP\\_Book\\_final.pdf](http://www.flaes.org/pdf/BMP_Book_final.pdf).]



MESA® is a registered trademark of Lebanon Seaboard Corporation.

**Note:** Supplemental applications of lawn fertilizer are needed to achieve a minimum 1 lb. nitrogen per 1,000 sq ft

